

Attorney Docket No. 003-49

First Inventor: Brian Wilson Varney

Title: HEAT EXCHANGER OPTIMIZATION PROCESS AND APPARATUS

UTILITY NONPROVISIONAL PATENT APPLICATION TRANSMITTAL

TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231

Applicant encloses the following papers for the filing of a new nonprovisional patent application:

- 1. Fee Transmittal Form in duplicate.
- 2. Applicant claims small entity status.
- 3. Specification 48 pages
- Descriptive title of the invention
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings
- Detailed Description
- Claims
- Abstract of the Disclosure
- 4. Drawing(s) (35 U.S.C. 113) 18 pages
- 5. Oath or Declaration 1 page executed original
- 6. Application Data Sheet . See 37 CFT 1.76
- 7. Return Receipt Postcard

8. CORRESPONDENCE ADDRESS

Please direct correspondence to Customer no. 020212

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Signature: Ion Lamber Registration No. 32,013

Date: Sep. 9/03

10/658277 10/658277 10/6/10/03

APPLICATION DATA SHEET UNDER 37 CFR 1.76

1. Inventor names, residences, mailing addresses and citizenship.

Brian Wilson Varney 11 Deerwood Rd. S.E., Calgary, Alberta, T2J 6L2, Canada Citizenship: Canadian

2. Correspondence address.

Anthony R. Lambert Customer no. 020212

- 3. Application Information
 - (a) Title of the Invention: **HEAT EXCHANGER OPTIMIZATION PROCESS AND APPARATUS**
 - (b) Suggested classification, if any.

Not known.

- (c) Tech centre.
- (d) Number of Drawing sheets 18
- (e) Suggested Drawing for publication. Fig. 1
- (f) Attorney docket number. 003-49
- (g) Type of application

Nonprovisional utility.

4. Agent information.

Anthony R. Lambert Registration no. 32,813.

PATENT APPLICATION FEE DETERMINATION RECORD

Application or Docket Number: 003-49

CLAIMS AS FILED - PART 1

FOR

BASIC FEE						\$375.00
	<u>Claims</u> <u>Filed</u>	Extra Claims	Full Rate	Small Entity Rate		
m . 1 01 '	20. 20	•	#10.00			# O1 OO
Total Claims	29 20 =	≈ 9 x	\$18.00	\$ 9.00	==	\$ 81.00
Ind. Claims	3	- 3x	\$84.00	\$42.00	=	
Multiple Dep.	Flat Rate		\$280.00	\$140.00	=	

Total Fees = \$456.00

A cheque for \$456.00 is enclosed.

The Commissioner of Patents is authorized to charge, in this application, to deposit account no. 12-0434, any amount required to be paid by the applicant for any step taken by the applicant during the pendency of this application. Applicant requests that any future reply requiring a petition for extension of time for its timely submission be treated as incorporating a petition for extension of time for the appropriate length of time.

Respectfully submitted

ARL:jbb

Registration No. 32,813